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RAW SEQUENCE LISTING

DATE: 11/23/2001

PATENT APPLICATION: US/09/988,019

TIME: 08:41:57

Input Set : N:\Crif3\RULE60\09988019.raw

Output Set: N:\CRF3\11232001\I988019.raw

SEQUENCE LISTING

ENTERED

3 (1) GENERAL INFORMATION:
 5 (i) APPLICANT: SOKOL, Pamela A.
 6 KOOI, Cora D.
 8 (ii) TITLE OF INVENTION: CONSERVED METALLOPROTEASE EPITOPES
 10 (iii) NUMBER OF SEQUENCES: 29
 12 (iv) CORRESPONDENCE ADDRESS:
 13 (A) ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
 14 (B) STREET: P.O. Box 1404
 15 (C) CITY: Alexandria
 16 (D) STATE: Virginia
 17 (E) COUNTRY: USA
 18 (F) ZIP: 22313-1404
 20 (v) COMPUTER READABLE FORM:
 21 (A) MEDIUM TYPE: Floppy disk
 22 (B) COMPUTER: IBM PC compatible
 23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 26 (vi) CURRENT APPLICATION DATA:
 C--> 27 (A) APPLICATION NUMBER: US/09/988,019
 C--> 28 (B) FILING DATE: 16-Nov-2001
 29 (C) CLASSIFICATION:
 C--> 31 (vii) PRIOR APPLICATION DATA:
 32 (A) APPLICATION NUMBER: US 08/772,282
 33 (B) FILING DATE: 20-DEC-1996
 35 (viii) ATTORNEY/AGENT INFORMATION:
 36 (A) NAME: STANEK REA, Teresa
 37 (B) REGISTRATION NUMBER: 30,427
 38 (C) REFERENCE/DOCKET NUMBER: 024916-005
 40 (ix) TELECOMMUNICATION INFORMATION:
 41 (A) TELEPHONE: (703) 836-6620
 42 (B) TELEFAX: (703) 836-2021
 45 (2) INFORMATION FOR SEQ ID NO: 1:
 47 (i) SEQUENCE CHARACTERISTICS:
 48 (A) LENGTH: 25 amino acids
 49 (B) TYPE: amino acid
 50 (C) STRANDEDNESS: single
 51 (D) TOPOLOGY: linear
 53 (ii) MOLECULE TYPE: peptide
 58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 60 Val Ser His Gly Phe Thr Glu Gln Asn Ser Gly Leu Ile Tyr Arg Gly
 61 1 5 10 15
 63 Gln Ser Gly Gly Met Asn Glu Ala Phe
 64 20 25
 66 (2) INFORMATION FOR SEQ ID NO: 2:
 68 (i) SEQUENCE CHARACTERISTICS:
 69 (A) LENGTH: 9 amino acids

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70          (B) TYPE: amino acid
71          (C) STRANDEDNESS: single
72          (D) TOPOLOGY: linear
74      (ii) MOLECULE TYPE: peptide
79      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
81      Val Ser His Gly Phe Thr Glu Gln Asn
82      1          5
84 (2) INFORMATION FOR SEQ ID NO: 3:
86      (i) SEQUENCE CHARACTERISTICS:
87          (A) LENGTH: 9 amino acids
88          (B) TYPE: amino acid
89          (C) STRANDEDNESS: single
90          (D) TOPOLOGY: linear
92      (ii) MOLECULE TYPE: peptide
97      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
99      His Gly Phe Thr Glu Gln Asn Ser Gly
100     1          5
102 (2) INFORMATION FOR SEQ ID NO: 4:
104     (i) SEQUENCE CHARACTERISTICS:
105         (A) LENGTH: 9 amino acids
106         (B) TYPE: amino acid
107         (C) STRANDEDNESS: single
108         (D) TOPOLOGY: linear
110     (ii) MOLECULE TYPE: peptide
115     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
117     Phe Thr Glu Gln Asn Ser Gly Leu Ile
118     1          5
120 (2) INFORMATION FOR SEQ ID NO: 5:
122     (i) SEQUENCE CHARACTERISTICS:
123         (A) LENGTH: 9 amino acids
124         (B) TYPE: amino acid
125         (C) STRANDEDNESS: single
126         (D) TOPOLOGY: linear
128     (ii) MOLECULE TYPE: peptide
133     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135     Glu Gln Asn Ser Gly Leu Ile Tyr Arg
136     1          5
138 (2) INFORMATION FOR SEQ ID NO: 6:
140     (i) SEQUENCE CHARACTERISTICS:
141         (A) LENGTH: 9 amino acids
142         (B) TYPE: amino acid
143         (C) STRANDEDNESS: single
144         (D) TOPOLOGY: linear
146     (ii) MOLECULE TYPE: peptide
151     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
153     Asn Ser Gly Leu Ile Tyr Arg Gly Gln
154     1          5
156 (2) INFORMATION FOR SEQ ID NO: 7:
158     (i) SEQUENCE CHARACTERISTICS:

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159      (A) LENGTH: 9 amino acids
160      (B) TYPE: amino acid
161      (C) STRANDEDNESS: single
162      (D) TOPOLOGY: linear
164      (ii) MOLECULE TYPE: peptide
169      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
171      Gly Leu Ile Tyr Arg Gly Gln Ser Gly
172      1             5
174 (2) INFORMATION FOR SEQ ID NO: 8:
176      (i) SEQUENCE CHARACTERISTICS:
177          (A) LENGTH: 9 amino acids
178          (B) TYPE: amino acid
179          (C) STRANDEDNESS: single
180          (D) TOPOLOGY: linear
182      (ii) MOLECULE TYPE: peptide
187      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
189      Ile Tyr Arg Gly Gln Ser Gly Gly Met
190      1             5
192 (2) INFORMATION FOR SEQ ID NO: 9:
194      (i) SEQUENCE CHARACTERISTICS:
195          (A) LENGTH: 9 amino acids
196          (B) TYPE: amino acid
197          (C) STRANDEDNESS: single
198          (D) TOPOLOGY: linear
200      (ii) MOLECULE TYPE: peptide
205      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
207      Arg Gly Gln Ser Gly Gly Met Asn Glu
208      1             5
210 (2) INFORMATION FOR SEQ ID NO: 10:
212      (i) SEQUENCE CHARACTERISTICS:
213          (A) LENGTH: 9 amino acids
214          (B) TYPE: amino acid
215          (C) STRANDEDNESS: single
216          (D) TOPOLOGY: linear
218      (ii) MOLECULE TYPE: peptide
223      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
225      Gln Ser Gly Gly Met Asn Glu Ala Phe
226      1             5
228 (2) INFORMATION FOR SEQ ID NO: 11:
230      (i) SEQUENCE CHARACTERISTICS:
231          (A) LENGTH: 19 amino acids
232          (B) TYPE: amino acid
233          (C) STRANDEDNESS: single
234          (D) TOPOLOGY: linear
236      (ii) MOLECULE TYPE: peptide
241      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
243      Ser Gly Ala Leu Arg Tyr Met Asp Gln Pro Ser Arg Asp Gly Arg Ser
244      1             5             10             15
246      Ile Asp Met

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Input Set : N:\Crif3\RULE60\09988019.raw

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249 (2) INFORMATION FOR SEQ ID NO: 12:
251 (i) SEQUENCE CHARACTERISTICS:
252 (A) LENGTH: 9 amino acids
253 (B) TYPE: amino acid
254 (C) STRANDEDNESS: single
255 (D) TOPOLOGY: linear
257 (ii) MOLECULE TYPE: peptide
262 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
264 Ser Gly Ala Leu Arg Tyr Met Asp Gln
265 1 5
267 (2) INFORMATION FOR SEQ ID NO: 13:
269 (i) SEQUENCE CHARACTERISTICS:
270 (A) LENGTH: 9 amino acids
271 (B) TYPE: amino acid
272 (C) STRANDEDNESS: single
273 (D) TOPOLOGY: linear
275 (ii) MOLECULE TYPE: peptide
280 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
282 Ala Leu Arg Tyr Met Asp Gln Pro Ser
283 1 5
285 (2) INFORMATION FOR SEQ ID NO: 14:
287 (i) SEQUENCE CHARACTERISTICS:
288 (A) LENGTH: 9 amino acids
289 (B) TYPE: amino acid
290 (C) STRANDEDNESS: single
291 (D) TOPOLOGY: linear
293 (ii) MOLECULE TYPE: peptide
298 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
300 Arg Tyr Met Asp Gln Pro Ser Arg Asp
301 1 5
303 (2) INFORMATION FOR SEQ ID NO: 15:
305 (i) SEQUENCE CHARACTERISTICS:
306 (A) LENGTH: 9 amino acids
307 (B) TYPE: amino acid
308 (C) STRANDEDNESS: single
309 (D) TOPOLOGY: linear
311 (ii) MOLECULE TYPE: peptide
316 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
318 Met Asp Gln Pro Ser Arg Asp Gly Arg
319 1 5
321 (2) INFORMATION FOR SEQ ID NO: 16:
323 (i) SEQUENCE CHARACTERISTICS:
324 (A) LENGTH: 9 amino acids
325 (B) TYPE: amino acid
326 (C) STRANDEDNESS: single
327 (D) TOPOLOGY: linear
329 (ii) MOLECULE TYPE: peptide
334 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
336 Gln Pro Ser Arg Asp Gly Arg Ser Ile

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Input Set : N:\Crf3\RULE60\09988019.raw

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337      1      5
339 (2) INFORMATION FOR SEQ ID NO: 17:
341      (i) SEQUENCE CHARACTERISTICS:
342          (A) LENGTH: 9 amino acids
343          (B) TYPE: amino acid
344          (C) STRANDEDNESS: single
345          (D) TOPOLOGY: linear
347      (ii) MOLECULE TYPE: peptide
352      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
354      Ser Arg Asp Gly Arg Ser Ile Asp Met
355      1      5
357 (2) INFORMATION FOR SEQ ID NO: 18:
359      (i) SEQUENCE CHARACTERISTICS:
360          (A) LENGTH: 9 amino acids
361          (B) TYPE: amino acid
362          (C) STRANDEDNESS: single
363          (D) TOPOLOGY: linear
365      (ii) MOLECULE TYPE: peptide
370      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
372      Asp Gly Thr Ala Met Leu Phe Gly Asp
373      1      5
375 (2) INFORMATION FOR SEQ ID NO: 19:
377      (i) SEQUENCE CHARACTERISTICS:
378          (A) LENGTH: 9 amino acids
379          (B) TYPE: amino acid
380          (C) STRANDEDNESS: single
381          (D) TOPOLOGY: linear
383      (ii) MOLECULE TYPE: peptide
388      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
390      Tyr Leu Leu Ala Asn Ser Pro Gly Trp
391      1      5
393 (2) INFORMATION FOR SEQ ID NO: 20:
395      (i) SEQUENCE CHARACTERISTICS:
396          (A) LENGTH: 9 amino acids
397          (B) TYPE: amino acid
398          (C) STRANDEDNESS: single
399          (D) TOPOLOGY: linear
401      (ii) MOLECULE TYPE: peptide
406      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
408      Arg Tyr Phe Asp Gln Pro Ser Arg Asp
409      1      5
411 (2) INFORMATION FOR SEQ ID NO: 21:
413      (i) SEQUENCE CHARACTERISTICS:
414          (A) LENGTH: 9 amino acids
415          (B) TYPE: amino acid
416          (C) STRANDEDNESS: single
417          (D) TOPOLOGY: linear
419      (ii) MOLECULE TYPE: peptide
424      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/988,019

DATE: 11/23/2001

TIME: 08:41:58

Input Set : N:\Crf3\RULE60\09988019.raw

Output Set: N:\CRF3\11232001\I988019.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:31 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]